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Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

<u>Listing of Claims</u>:

1. (Currently amended) An isolated nucleic acid molecule encoding a humanized immunoglobulin light chain or antigen-binding fragment thereof that binds to CC chemokine receptor 2 (CCR2) and comprising comprises CDR1, CDR2 and CDR3 of the variable light chain of murine ID9 antibody SEQ ID NO:9 and a human light chain framework region from of the light chain of the human HF 21/28 antibody of SEQ ID NO:11.

2. (Cancelled)

- 3. (Previously presented) The isolated nucleic acid molecule of Claim 1, wherein said humanized immunoglobulin light chain or antigen-binding fragment thereof comprises the variable region of SEQ ID NO: 12, 13, 14, 15 or 107.
- 4. (Previously presented) The isolated nucleic acid molecule of Claim 3, wherein said nucleic acid molecule comprises the variable region coding sequence of SEQ ID NO: 98.
- 5. (Currently amended) An isolated nucleic acid molecule encoding a humanized immunoglobulin heavy chain or antigen-binding fragment thereof that binds to CC chemokine receptor 2 (CCR2) and comprising comprises CDR1, CDR2 and CDR3 of the variable heavy chain of the ID9 antibody- SEQ ID NO:10 and a human heavy chain framework region from of the heavy chain of the human 4B4'CL antibody of SEQ ID NO:16.

6. (Cancelled)

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7. (Previously presented) The isolated nucleic acid molecule of Claim 5, wherein the humanized immunoglobulin heavy chain or antigen-binding fragment thereof comprises the variable region of SEQ ID NO: 17, 18, 19 or 20.

- 8. (Previously presented) The isolated nucleic acid molecule of Claim 7, wherein said nucleic acid molecule comprises the variable region coding sequence of SEQ ID NO: 97.
- 9. (Currently amended) An isolated nucleic acid molecule comprising a nucleotide nucleic acid sequence encoding a humanized immunoglobulin light chain or antigen-binding fragment thereof that binds to CC chemokine receptor 2 (CCR2), said light chain or antigen-binding fragment thereof having an amino acid sequence comprising at least an antigen binding portion of the light chain variable region amino acid sequence of SEQ ID NO: 12, 13, 14, 15 or 107.
- 10. (Currently amended) The isolated nucleic acid molecule of Claim 9, comprising the variable region coding sequence of SEQ ID NO: 98.
- 11. (Currently amended) An isolated nucleic acid molecule comprising a nucleotide nucleic acid sequence encoding a humanized immunoglobulin heavy chain or antigen-binding fragment thereof that binds to CC chemokine receptor 2 (CCR2), said heavy chain or antigen-binding fragment thereof having an amino acid sequence comprising at least an antigen binding portion of the heavy chain variable region amino acid sequence of SEQ ID NO: 17, 18, 19 or 20.
- 12. (Currently amended) The isolated nucleic acid molecule of Claim 11, comprising the variable region coding sequence of SEQ ID NO: 97.
- 13. (Previously presented) An expression vector comprising a nucleic acid molecule of claim 1.
 - 14. (Cancelled)

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15. (Previously presented) An isolated host cell comprising the expression vector of Claim 13.

- 16. (Previously presented) An expression vector comprising a nucleic acid molecule of claim 5.
 - 17. (Cancelled)
- 18. (Previously presented) An isolated host cell comprising the expression vector of Claim 16.
- 19. (Previously presented) An isolated host cell comprising a first recombinant nucleic acid molecule encoding a humanized immunoglobulin light chain and a second recombinant nucleic acid molecule encoding a humanized immunoglobulin heavy chain, wherein said first nucleic acid molecule comprises a nucleic acid molecule of claim 1, and wherein said second nucleic acid molecule comprises a nucleic acid molecule of claim 5.
- A method of preparing a humanized immunoglobulin that 20. (Currently amended) binds to CC chemokine receptor 2 (CCR2) comprising maintaining a host cell of Claim 19 under conditions appropriate for expression of a humanized immunoglobulin, whereby humanized immunoglobulin chains are expressed and a humanized immunoglobulin is produced.
- 21. (Previously presented) The method of Claim 20, further comprising the step of isolating the humanized immunoglobulin.
- 22. (Currently amended) A fused gene An isolated nucleic acid molecule encoding a humanized immunoglobulin light chain that binds to CC chemokine receptor 2 (CCR2) comprising:

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a) a first nucleic acid sequence encoding an antigen binding region comprising CDR1, CDR2 and CDR3 of the <u>variable</u> light chain of <u>murine ID9 antibody SEQ ID NO:9</u> and a human light chain framework region <u>from of</u> the light chain <u>of the human HF 21/28 antibody of SEQ ID NO:11</u>; and

b) a second nucleic acid sequence encoding at least a portion of a constant region of an immunoglobulin of human origin.

23. -65. (Cancelled)

- 66. (Currently amended) A fused gene An isolated nucleic acid molecule encoding a humanized immunoglobulin heavy chain that binds to CC chemokine receptor (CCR2) comprising:
- a) a first nucleic acid sequence encoding an antigen binding region comprising CDR1, CDR2 and CDR3 of the <u>variable</u> heavy chain of <u>murine 1D9 antibody of SEQ ID NO:10</u> and a human heavy chain framework region <u>from of</u> the heavy chain-of the human 4B4 'CL antibody of SEQ ID NO:16; and
- b) a second nucleic acid sequence encoding at least a portion of a constant region of an immunoglobulin of human origin.
- 67. (Previously presented) The isolated nucleic acid molecule of claim 1, wherein the light chain or antigen binding fragment thereof comprises the variable region of SEQ ID NO:12.
- 68. (Currently amended) The isolated nucleic acid molecule of claim 5, wherein the light heavy chain or antigen binding fragment thereof comprises the variable region of SEQ ID NO:17.
- 69. (Currently amended) The isolated nucleic acid molecule of claim 22, wherein the first nucleic acid <u>sequence</u> encodes the variable region of SEQ ID NO:12.

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70. (Currently amended) The isolated nucleic acid molecule of claim 66, wherein the first nucleic acid <u>sequence</u> encodes the variable region of SEQ ID NO:17.

- 71. (Previously presented) The expression vector of claim 13, wherein the nucleic acid molecule encodes the humanized light chain or antigen binding portion thereof of SEQ ID NO:12.
- 72. (Previously presented) An isolated host cell comprising the expression vector of claim 71.
- 73. (Previously presented) The expression vector of claim 16, wherein the nucleic acid molecule encodes the humanized heavy chain or antigen binding portion thereof of SEQ ID NO:17.
- 74. (Previously presented) An isolated host cell comprising the expression vector of claim 73.
- 75. (Previously presented) The isolated host cell of claim 19, wherein the first nucleic acid molecule encodes the humanized light chain or antigen binding portion thereof of SEQ ID NO:12.
- 76. (Previously presented) The isolated host cell of claim 19, wherein the second nucleic acid molecule encodes the humanized heavy chain or antigen binding portion thereof of SEQ ID NO:17.
- 77. (Previously presented) The isolated host cell of claim 75, wherein the second nucleic acid molecule encodes the humanized heavy chain or antigen binding portion thereof of SEQ ID NO:17.

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78. (Currently amended) A method of preparing a humanized immunoglobulin that bind to CC chemokine receptor 2 (CCR2) comprising maintaining a host cell of any of claims 75, 76 or 77 under conditions appropriate for expression of a humanized immunoglobulin, whereby humanized immunoglobulin chains are expressed and a humanized immunoglobulin is produced.

- 79. (Previously presented) The method of claim 78, further comprising the step of isolating the humanized immunoglobulin.
- 80. (Previously presented) The isolated host cell of any one of claims 15, 18 and 19, wherein the host cell is a mammalian host cell.
- 81. (Previously presented) The isolated host cell of claim 80, wherein the host cell is selected from the group consisting of a COS cell, a CHO cell, a HeLa cell, and an NSO cell.
- 82. (Previously presented) The isolated host cell of any one of claims 72, 74, 75, 76 and 77, wherein the host cell is a mammalian host cell.
- The isolated host cell of claim 82, wherein the host cell is 83. (Previously presented) selected from the group consisting of a COS cell, a CHO cell, a HeLa cell, and an NSO cell.
- 84. (Previously presented) The expression vector of any one of claims 13, 16, 71 and 73, further comprising one or more of: a selectable marker gene, and a transcriptional control element.
- The expression vector of claim 84, wherein the vector 85. (Previously presented) comprises one or more selectable marker selected from the group consisting of: an ampicillin resistance gene, a neomycin resistance gene and a dihydrofolate reductase marker gene.